

ASAP

Work Order ID 70956

Monday, June 20, 2011 11:19:50 AM



Page 1

Item ID: D2005-015A

Accept



Setup Start



Revision ID:

Stop



Item Name: Hose Ass'y .375dia x 36"

Start Date: 6/20/2011 Start Qty: 1.00



Cust Item ID:

Required Date: 6/21/2011 Req'd Qty: 1.00

Customer:

Reference:

Approvals:

Process Plan:

Date:

Tooling:

Date:

Run Start



QC:

Date:

SPC (Y/N):

Date:

Stop



Sequence ID/
Work Center ID

Operation
Description

Set Up/
Run Hours

Tool ID

Tool #

Plan
Code

Accept
Qty

Reject
Qty

Reject
Number

Insp.
Stamp

Draw Nbr

Revision Nbr

OK 11.06.22 051042

100

0.00



PURCHASING

Purchasing

Memo

0.00

Purchasing

Issue P/O: 14 322

Hose Assembly as per Dwg D2005-015A

P/N: 124F0008D0360C045

Material release note is required

Revised 11/06/22 → X!

CL 11/06/20 ①

120

QC6- Inspect dimensions to drawing

0.00



QC

Memo

0.00

Quality Control

ensure material release note is attached

Sub 06/22

~~CL 11/06/22 ①~~

140

Identify as per dwg & Stock Location: ST

0.00



Packaging

Memo

0.00

Packaging

CL 11/06/22 ①

Work Order ID 70956

Monday, June 20, 2011 11:19:50 AM



Page 2

Item ID: D2005-015A

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Start Date: 6/20/2011 Start Qty: 1.00



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Required Date: 6/21/2011 Req'd Qty: 1.00



Customer:

Reference:

Approvals: Process Plan: Date: Tooling: Date:

Run Start



QC: Date: SPC (Y/N): Date:

Stop

Sequence ID/
Work Center IDOperation
DescriptionSet Up/
Run Hours

Tool ID

Tool #

Plan
CodeAccept
QtyReject
QtyReject
NumberInsp.
Stamp

150

QC21- Final Inspection - Work Order Release

0.00



QC

Memo

0.00

Quality Control

11/6/22
MF
11-06-22

Picklist Print

Monday, June 20, 2011 11:19:48 AM

Page 1

Work Order ID: 70956



Parent Item: D2005-015A



Parent Item Name: Hose Ass'y .375dia x 36"

Start Date: 6/20/2011

Required Date: 6/21/2011

Start Qty: 1.00

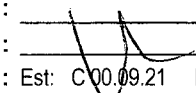
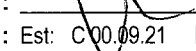
Required Qty: 1.00

Comments: IPP revA 11.06.20 new issue EC verified by: DD

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
124F0008D0360C045 HOSE		Purchased	No				Each	0.0000		1			
										 CY 11/06/22			

Date: Wednesday, 19/12/2007 2:57:03 PM
 User: Linda Lacelle

Process Sheet

Customer	: CU-DAR001 Dart Helicopters Services	Drawing Name	: HOSE ASSEMBLY 0.375" X 36"
Job Number	: 36450		
Estimate Number	: 10120		
P.O. Number	: <i>N/A</i>	Part Number	: D2005015A
This Issue	: 19/12/2007	S.O. No.	: <i>N/A</i>
Prsht Rev.	: NC	Drawing Number	: D2005-001 REV. D1
First Issue	: <i>N/A</i>	Project Number	: N/A
Previous Run	: 36360	Drawing Revision	: D1
	Type : PURCHASED PARTS	Material	: <i>N/A</i>
Written By	: 	Due Date	: 20/12/2007
Checked & Approved By	: 	Qty:	1 Um: Each
Comment	: Est: C00.09.21 Reformat EC		

Additional Product

Job Number:



Seq. #:	Machine Or Operation:	Description :
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1.0	PG	PURCHASING
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Comment: PURCHASING

Issue P/O: 5311

Make per Drawing

Possible Supplier:

P/N: 124F0008d0360C045

Material release note is required.

24/12/03 12:45
11 17.12.18

2.0	D2005015P	Hose Ass'y .375dia x 36"
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Comment: Qty.: 1.0000 Each(s)/Unit Total: 1.0000 Each(s)
 HOSE ASSEMBLY

3.0	PACKAGING 1	PACKAGING RESOURCE #1
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Comment: PACKAGING RESOURCE #1

Recieve & Inspect for Transit Damage

Ensure Material Release Note is attached

12/12/19 (1)

4.0	QC6	DIMENSIONAL CHECK
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Comment: DIMENSIONAL CHECK

11 17.12.19


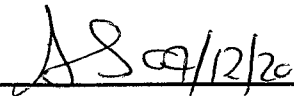

5.0	PACKAGING 1	PACKAGING RESOURCE #1
-----	-------------	-----------------------



Comment: PACKAGING RESOURCE #1

Identify and Stock

Location: ST193

11 17.12.20   

DART



DESIGN	DRAWN BY	DART AEROSPACE LTD VICTORIA INTERNATIONAL AIRPORT, CANADA	
BRADLEY	BRADLEY	DRAWING NO.	REV D
CHECKED	APPROVED	D2005-001	SHEET 1 OF 1
DATE		TITLE	SCALE
97.06.73		HOSE ASSEMBLIES	

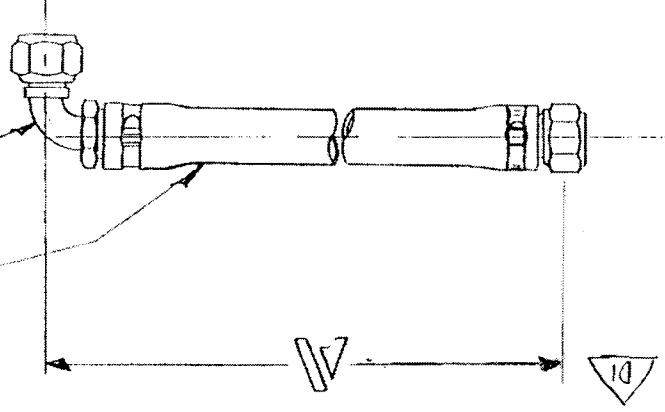
RELEASED
R 97/06/23 BQ

REVISION	DATE	BY
1	96.04.17	BRADLEY
2	97.06.23	WAS
3	97.06.23	WAS
4	97.06.23	WAS

90° FITTING SHOWN (REF.)
FIRE SLEEVE (REF.)
OFFSETS REMOVED
FLOW FITTINGS

11.06.20

HOSE SPECIFICATION			
DART Part No.	VENDOR Part No.	VENDOR	
D 2005-001	124F002-BCE-0160	STRATOFLEX	16.00
D 2005-005	124F002-6CE-0360	STRATOFLEX	36.00
D 2005-007	124F002-GCE-0240	STRATOFLEX	24.00
D 2005-009	124F001-BCE-0300	STRATOFLEX	30.00
D 2005-015	124F012D0360C045	STRATOFLEX	36.00



Leanne Elsliger

From: David Shepherd [dshepherd@dartaero.com]
Sent: December 11, 2007 11:55 PM
To: 'Leanne Elsliger'
Cc: 'Mike Petsche'
Subject: FW: Visit to Highland

DSI 9399

ECN 1086

Leanne,

Further to my email below, we need a DSI against D206-570 to cover the changes to the kit. The DSI should be worded something like:

To facilitate installation of the D206-570-145 heating system, the following changes are acceptable:

- a) The AN804-8J tee fitting can be moved to the fwd side of the forward firewall as shown in Figure 1
- b) The DXXXX flexible hose (124F002-8CR-0230) can be installed off the AN804-8J tee fitting and connected to the bleed air particle separator.
- c) The D2005-015 line on the RH side of the valve assembly can be replaced with a D2005-015A line.
- d) The D2005-015 line on the LH side of the valve assembly can be replaced with a D2005-015B line.
- e) An AN815-?D union fitting can be installed between the AN938-8D tee fitting on the RH side of the D206-570-049 valve assembly and the new D2005-015A line.
- f) The D2003-037 line can be replaced with a D2003-037A line.
- g) The D2003-011 line can be replaced with a D2003-011A line.
- h) The DXXXX plates can be installed using the existing nut plates for the vertical tunnel cover as shown in Figure 2 and used to secure the heater line in the vertical tunnel

The following DSI 9XXX-011 kit is available to facilitate these changes:

- 1 x DXXXX flexible hose (on order)
- 1 x D2005-015A line (on order)
- 1 x D2005-015B line (on order)
- 1 x AN815-?D union (need to figure out exactly what we need)
- 1 x D2003-037A line (made)
- 1 x D2003-011A line (need to make)
- 3 x DXXXX plates (need to make)

I will send you Figures 1 and 2 by fax.

Thanks,
David

From: David Shepherd [mailto:dshepherd@dartaero.com]
Sent: Tuesday, December 04, 2007 1:09 AM
To: 'Mike Petsche'
Cc: 'David Crowston'; 'Bill Beckett'; 'Peggy McDonald'; 'Heather Mahon'; 'Holly Menard'; 'mbellavance@dartaero.com'; 'L Lacelle'; 'Mike O'Reilly'; 'Dan Stow'
Subject: Visit to Highland

Good morning,

I feel I had a productive visit with Highland. I spent about 4 hours with Derek Barker, who has been struggling to install the 570/571 heater kits in a 206L3.

Most of all, I think Highland was just happy to have someone in their hangar to see the problems they were having. Personally, I don't think they have been as creative as they could have been to make the kit work, but at the same time, why should they be. I certainly learned a lot more about our heater kits and the challenges faced

12/12/2007

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

by the installer.

The following is a summary of what Highland thinks we need to do to make these installations work and based on what I saw, I would agree:

570 kit

- ✓ - need to move the "T" fitting to the fwd side of the fwd firewall for compatability with the particle seperator
- need to add a 124F002-8CR-0230 flex line to the heater kit for compatability with the particle seperator
- ✓ - need to remove 1" off the top end of the D2003-037 line and modify the bend so that the line stays within the cowlings (template to follow)
- ✓ - the D2005-015 line on the RH side of the valve assembly needs to have the offset removed from the end fittings
- a union is required between the T-fitting and the D2005-015 on the RH side of the valve assembly
- ✓ - the D2005-015 line on the LH side needs a 45 degree fitting on one end instead of a 90 degree fitting
- ✓ - the D2003-011 line requires that the distance to the first bend be reduced by 1" to prevent chafing but the overall length of the line should not change
- ✓ - we should provide 3 x 6.25" x 0.75" x 0.050" thick plates for securing the line in the vertical tunnel.

571 kit

- the installation of the cable is a bit of a mystery on the 206L series. The drawing doesn't reflect what's in a 206L. I am going to try to get some photos from Alpine. According to Mike Mallon, Alpine ran this cable down the door sill instead of underneath the roof ducting.

I recognize that this is all a bit difficult to understand without sketches and pictures. I will try to get these to you ASAP.

In the meantime, we need to order the 124F002-8CR-0230 flex line from Aviall and the two modified D2005-015 lines ASAP (these will need to be different p/n) so that Highland can carry on with the installation. These are the longer lead time items because they have to be ordered. I believe the rest can be made in-house. Highland needs the heater installed by the end of the year, so we better get cracking.

David

No virus found in this outgoing message.

Checked by AVG Free Edition.

Version: 7.5.503 / Virus Database: 269.16.13/1164 - Release Date: 12/2/2007 11:30 AM

No virus found in this outgoing message.

Checked by AVG Free Edition.

Version: 7.5.503 / Virus Database: 269.17.0/1180 - Release Date: 12/10/2007 2:51 PM

make modified 2003-011

12/12/2007

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries



PACKING LIST

PAGE: 1
DATE: 06/21/11
TIME: 13:18
EMP#: 22611

CUSTOMER P.O.: 14322

SHIP NBR: 69605

ORD TYP: RG 241
CURRENCY: USDORDER NUMBER: 0011141785- 69605
ORDER DATE: 06/21/11

SHIP VIA: FED PLAM - COLLECT

B 032028
I DART AEROSPACE LTD
L 1270 ABERDEEN STREET
T HAWKESBURY ON K6A 1K7
O CANADAS
H DART AEROSPACE LTD
I 1270 ABERDEEN STREET
P HAWKESBURY ON K6A 1K7
T CANADA
OS 41270
H AVIALL DALLAS HOSE SHOP
I AVIALL
P HOSE SHOP
F 2755 REGENT BLVD
R DFW AIRPORT TX 75261-9048
O U.S.A.
M

LINE	MFG	ITEM DESCRIPTION	ORDER QUANTITY	SHIP QUANTITY	BACK ORDER	UOM	LIST PRICE	CUSTOMER PRICE	EXTENDED CUSTOMER PRICE
------	-----	---------------------	-------------------	------------------	------------	-----	------------	----------------	----------------------------

PLEASE SHIP FEDEX P1 ON CUSTOMER ACCOUNT
NUMBER 1517-9324-0, AWB# MUST REFERENCE
THE PURCHASE ORDER NUMBER. SHIP TO THE
ATTN OF CHANTAL PHONE; 613-632-9577

1	1S	124F008D0360C045 ✓ CXL11061221		1		0 EA	176.20	176.2000	176.20
HOSE: TEFLON MED PRES, ASSEMBLY									

REF:

Schedule B: 3917.31.0000
Country of Origin: U.S.A.

ECCN: 9A991

LOT 51233019 EA

1

2	1S	124F012D0360C000 ✓ CXL1106122 1		1		0 EA	173.36	173.3600	173.36
HOSE: TEFLON MED PRES, ASSEMBLY									

REF:

Schedule B: 3917.31.0000
Country of Origin: U.S.A.

ECCN: 9A991

LOT 51233020 EA

1

*** The recipient of these goods agrees to comply with all export regulations
*** governing the transfer, sale, lease, or use of these goods. Diversion
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These commodities, technologies or software were exported from the United States in
accordance with the Export Administration Regulations. Diversion contrary to U.S. laws is
prohibited.DISCOUNT TERMS APPLY ONLY TO SUB TOTAL. ALL RETURNED
MERCHANDISE SUBJECT TO HANDLING FEE.THIS IS TO CERTIFY THAT AVIALL HAS COMPLIED WITH THE PROVISIONS
OF THE FAIR LABOR STANDARDS ACT OF 1938 AMENDED.

CUSTOMER COPY



PACKING LIST



SHIP NBR: 69605

PAGE: 2
DATE: 06/21/11
TIME: 13:18
EMP#: 22611

CUSTOMER P.O.: 14322

ORDER NUMBER: 0011141785- 69605

ORDER DATE: 06/20/11

SHIP VIA: FED PLAM - COLLECT

ORD TYP: RG 241
CURRENCY: USD

B 032028
I DART AEROSPACE LTD
L 1270 ABERDEEN STREET
L HAWKESBURY ON K6A 1K7
T CANADA
O

S
H DART AEROSPACE LTD
I 1270 ABERDEEN STREET
P HAWKESBURY ON K6A 1K7
T CANADA
O

S 41270
H AVIALL DALLAS HOSE SHOP
I AVIALL
P HOSE SHOP
F 2755 REGENT BLVD
R DFW AIRPORT TX 75261-9048
O U.S.A.
M

LINE	MFG	ITEM DESCRIPTION	ORDER QUANTITY	SHIP QUANTITY	BACK ORDER	UOM	LIST PRICE	CUSTOMER PRICE	EXTENDED CUSTOMER PRICE
------	-----	---------------------	-------------------	------------------	------------	-----	------------	----------------	----------------------------

assemblies. Numbers referenced per customer requirements are for customer reference ONLY and are in no way intended to be represented as OEM parts. Any reference to an OEM part number does not authorize or reflect installation authority for this part. The installation authority is provided by the mechanic installing this product in accordance with FAR Part 43.

PARTS TOTAL	349.56
AOC TOTAL	0.00
FREIGHT	0.00
FUEL SURCHARGE	0.00
TAXES	0.00
TOTAL	349.56
Currency: United States Dollar	

These commodities, technologies or software were exported from the United States in accordance with the Export Administration Regulations. Diversion contrary to U.S. laws is prohibited.

DISCOUNT TERMS APPLY ONLY TO SUB TOTAL. ALL RETURNED MERCHANDISE SUBJECT TO HANDLING FEE.

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CUSTOMER COPY



Hose Shop 2755 Regent Blvd. DFW Airport 75261

Phone 972-586-1380 Fax 972-586-1381 www.aviall.com

TSO CERTIFICATION

It is hereby certified that (A) The parts and/or materials reflected herein were produced under Federal Aviation Administration approved manufacturing and quality control system/methods as set forth in the FAA issued technical standard order authorizations (TSOA) issued to Stratoflex and (B) such part and/or materials are new and are in condition for safe operation.

Aviall Order Number: 11141785

1. 124F008D0360C045

2. 124F012D0360C000

Sub 6/22

Signed: 

Date: 6-21-11

"Aviall is not providing OEM parts. Aviall is an authorized Stratoflex distributor providing TSO assemblies. Numbers referenced per customer requirements are for customer reference ONLY and are in no way intended to be represented as OEM parts. Any reference to an OEM part number does not authorize or reflect installation authority for this part. The installation authority is provided by the mechanic installing this product in accordance with FAR Part 43".

If applicable, satisfactory compliance with the conditions and tests required for TSO approval indicates the hose assembly has met the minimum performance standards as stated in the TSO. Furthermore, it is the responsibility of the installer to determine the installation eligibility and that it will not cause the hose assembly to be subjected to conditions in excess of those for which it has been approved.

FORM# CERT-001